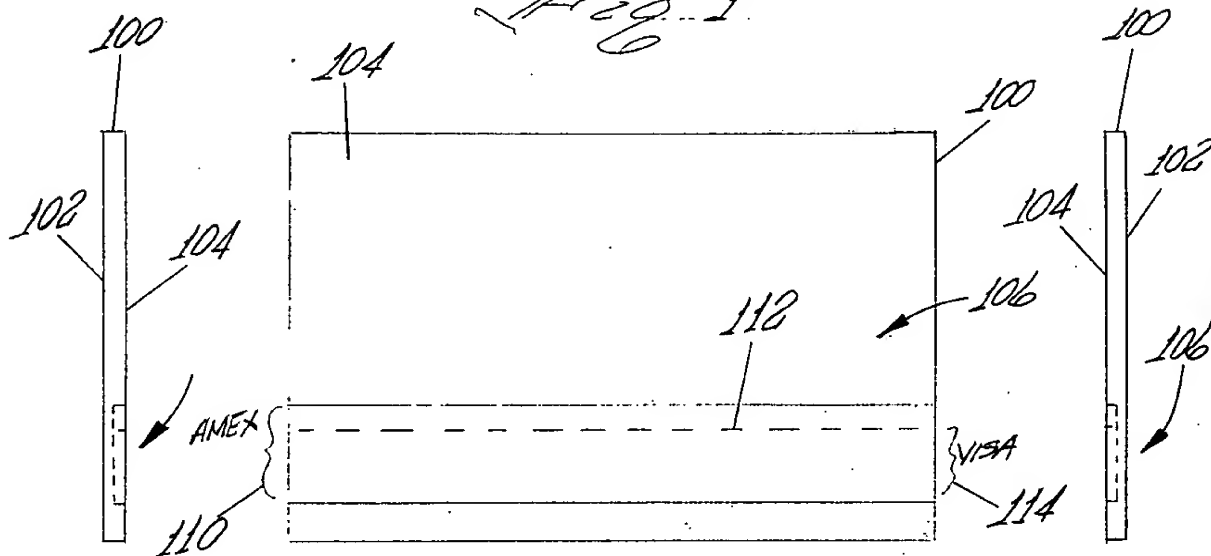


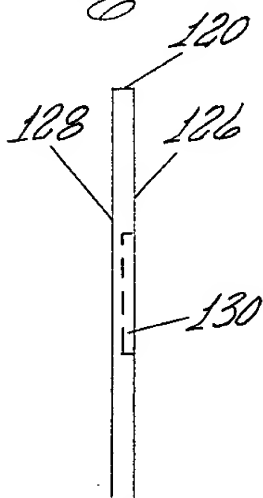
Fig. 1



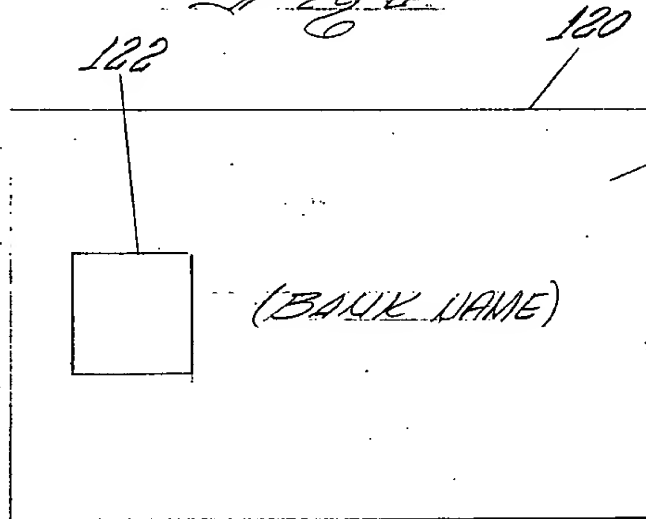
PRIOR ART
Fig. 4

PRIOR ART
Fig. 2

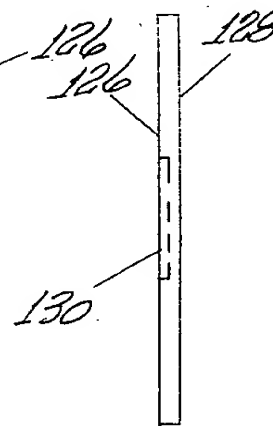
PRIOR ART
Fig. 3



PRIOR ART
Fig. 7

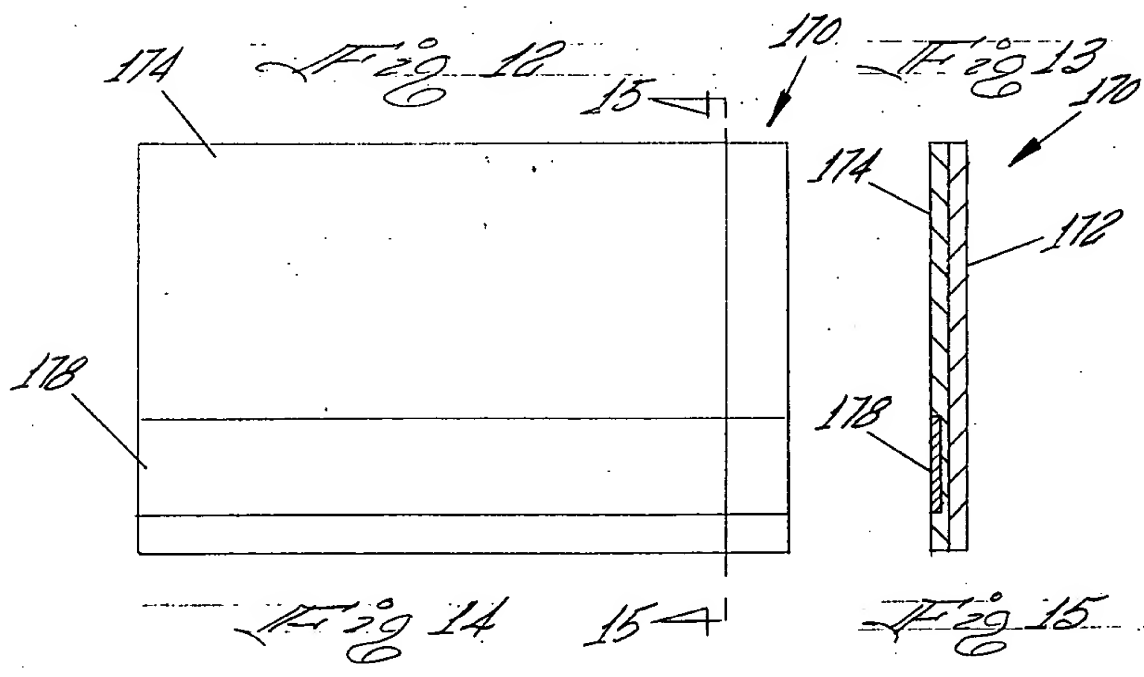
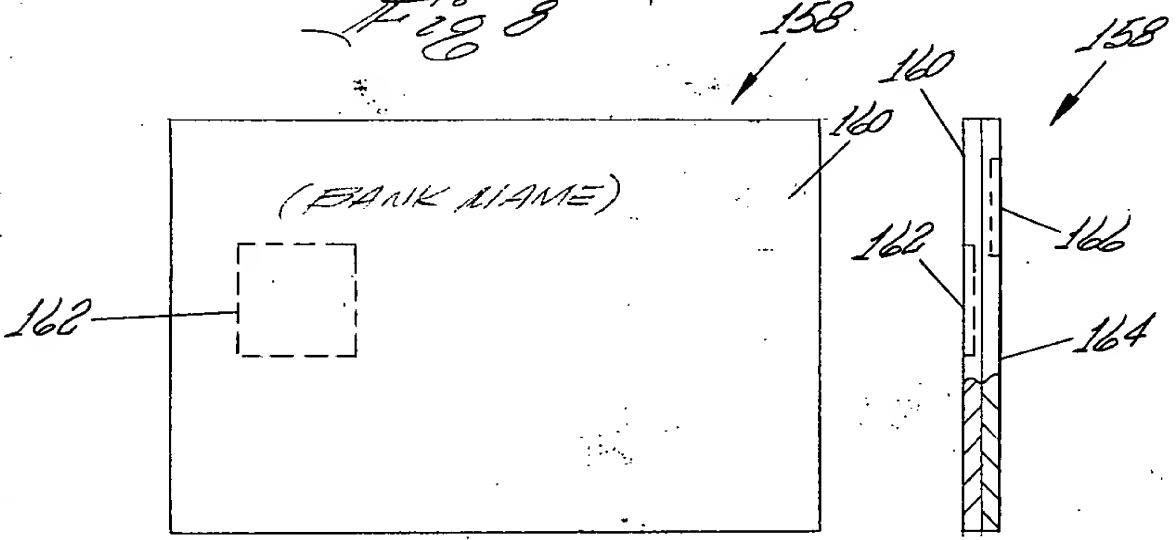
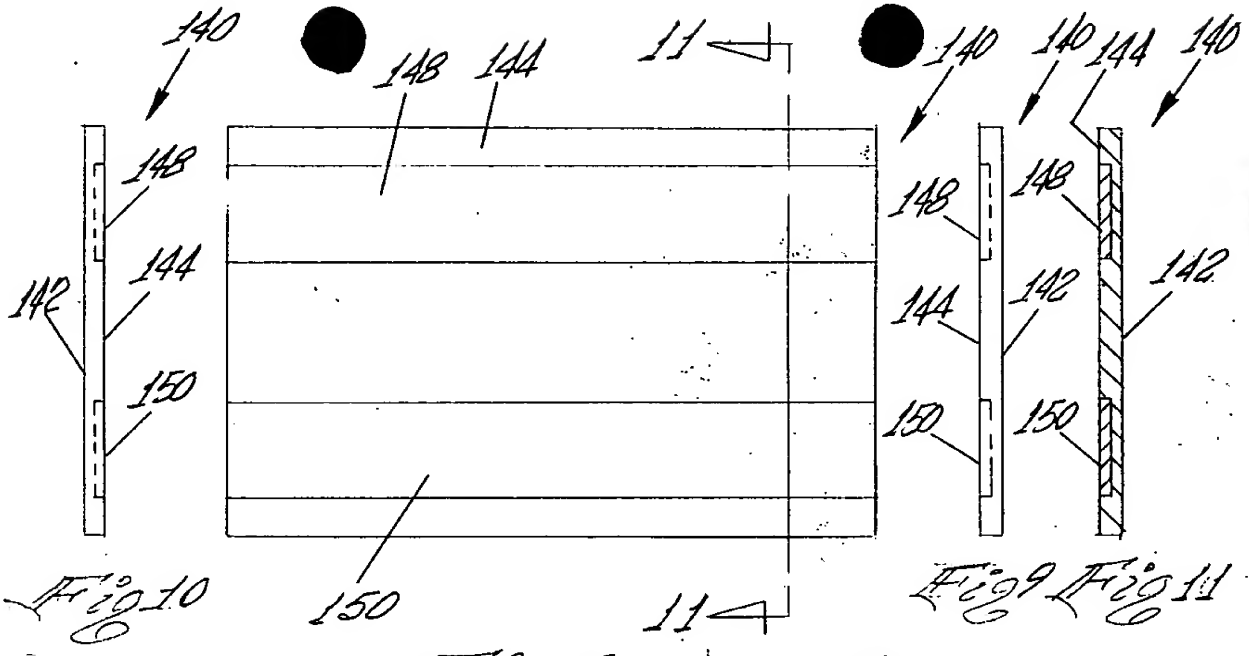


PRIOR ART
Fig. 5



PRIOR ART
Fig. 6

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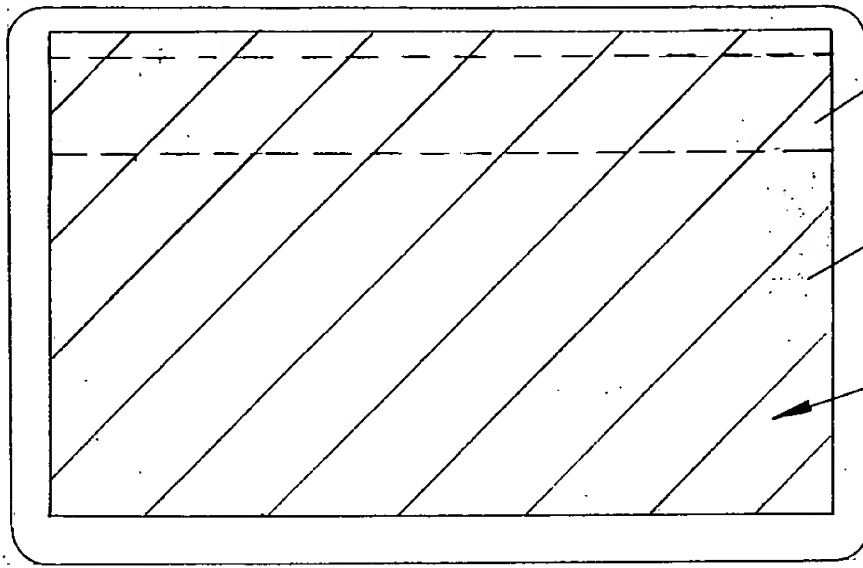


Fig 16

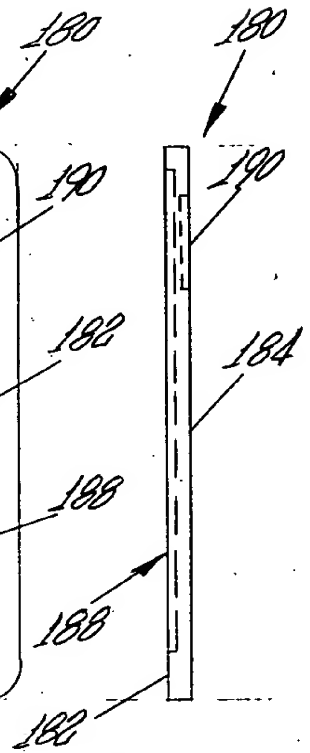


Fig 17

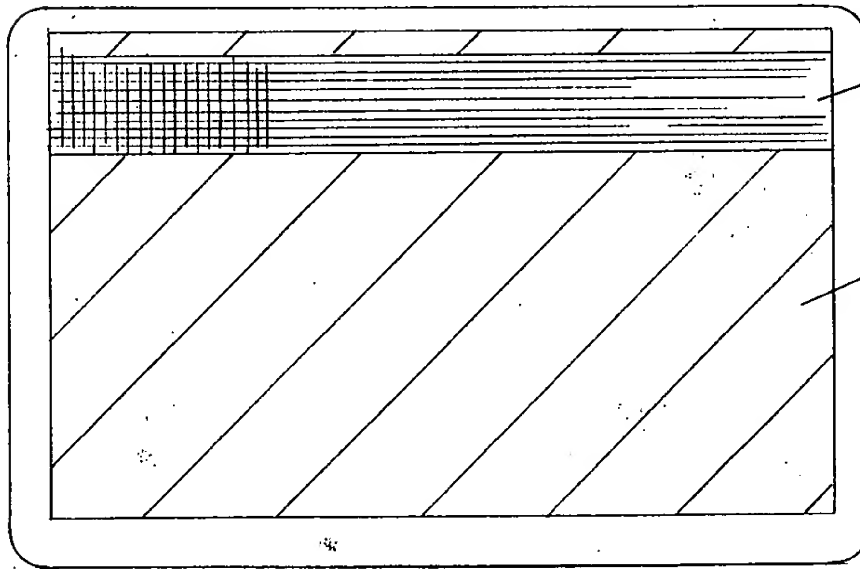


Fig 18

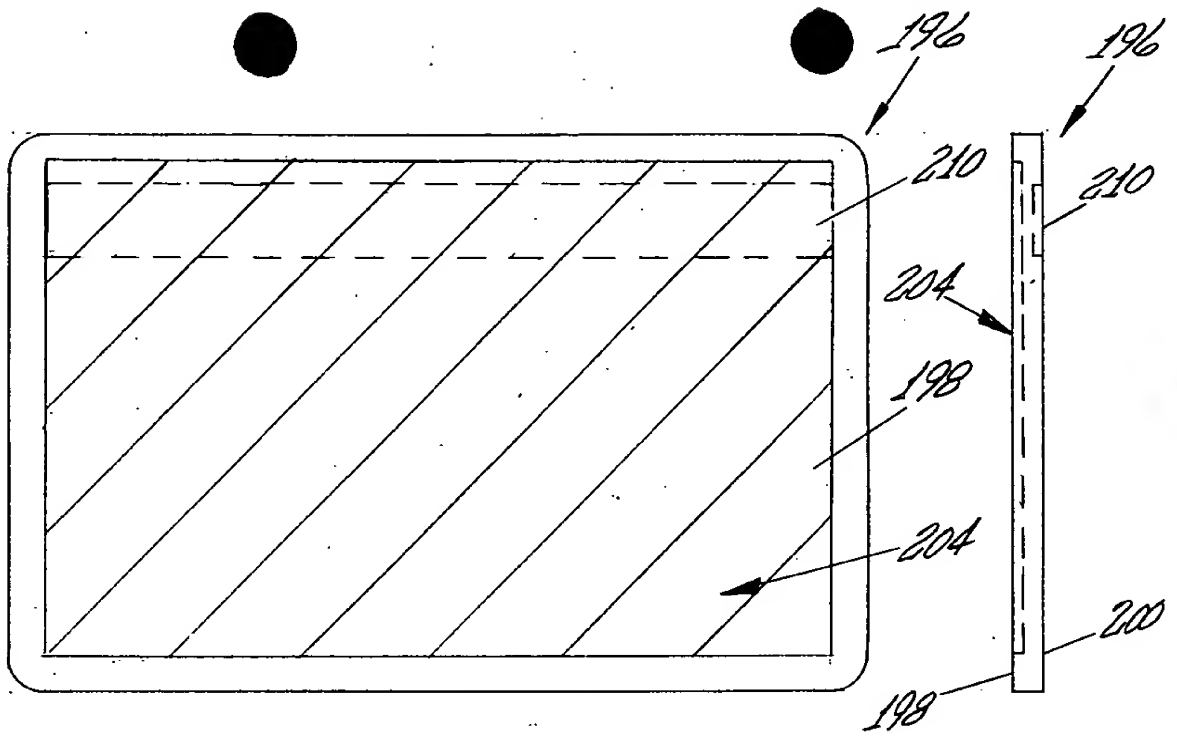


Fig 19

Fig 20

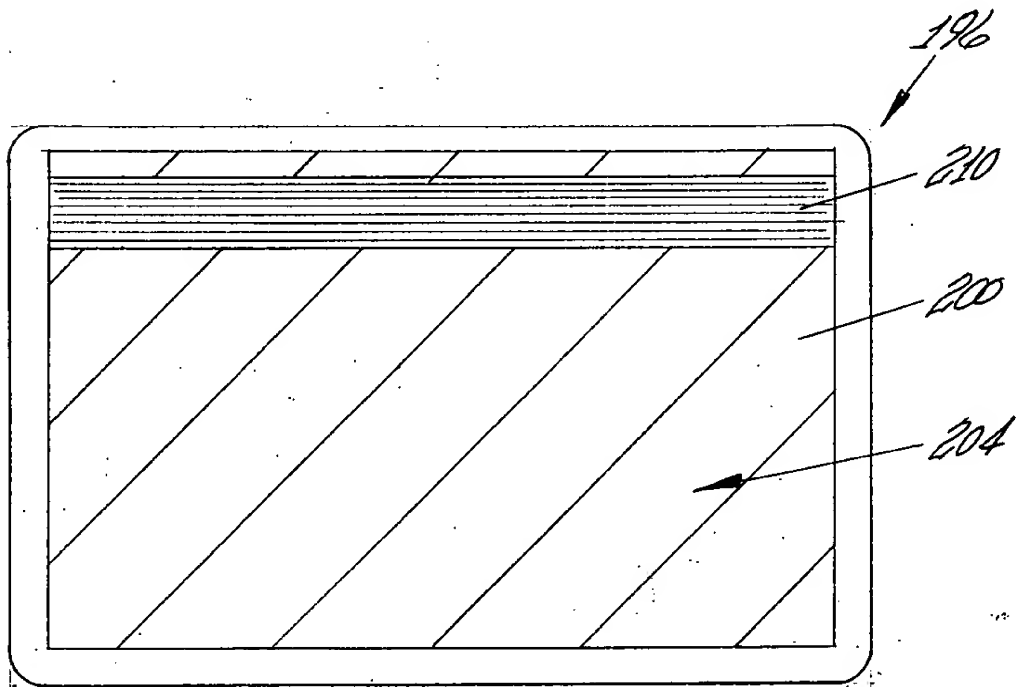


Fig 21

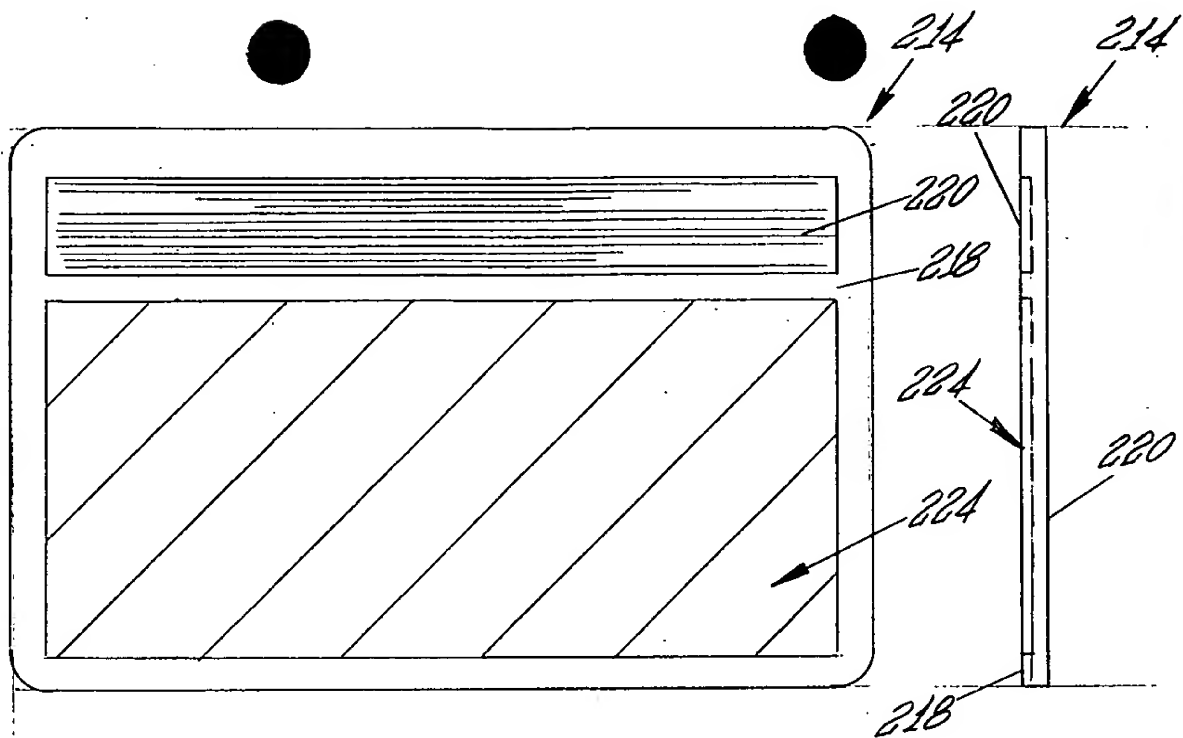


Fig. 22

Fig. 23

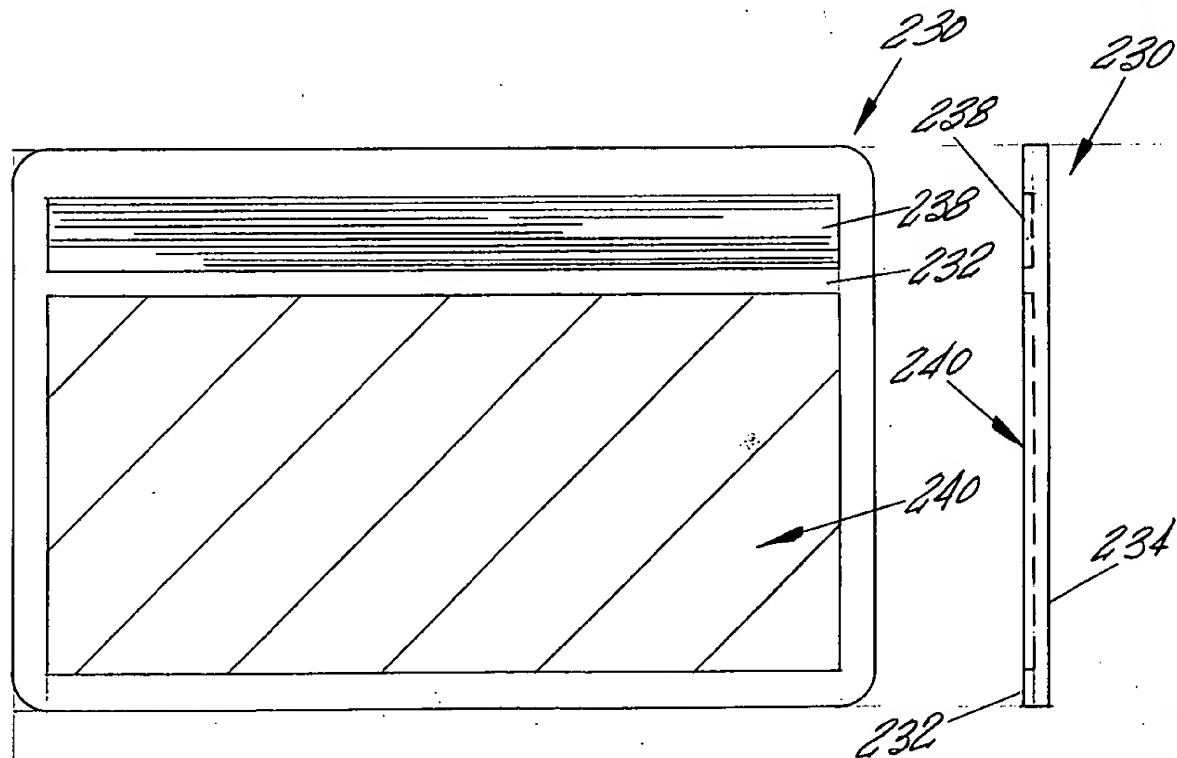


Fig. 24

Fig. 25

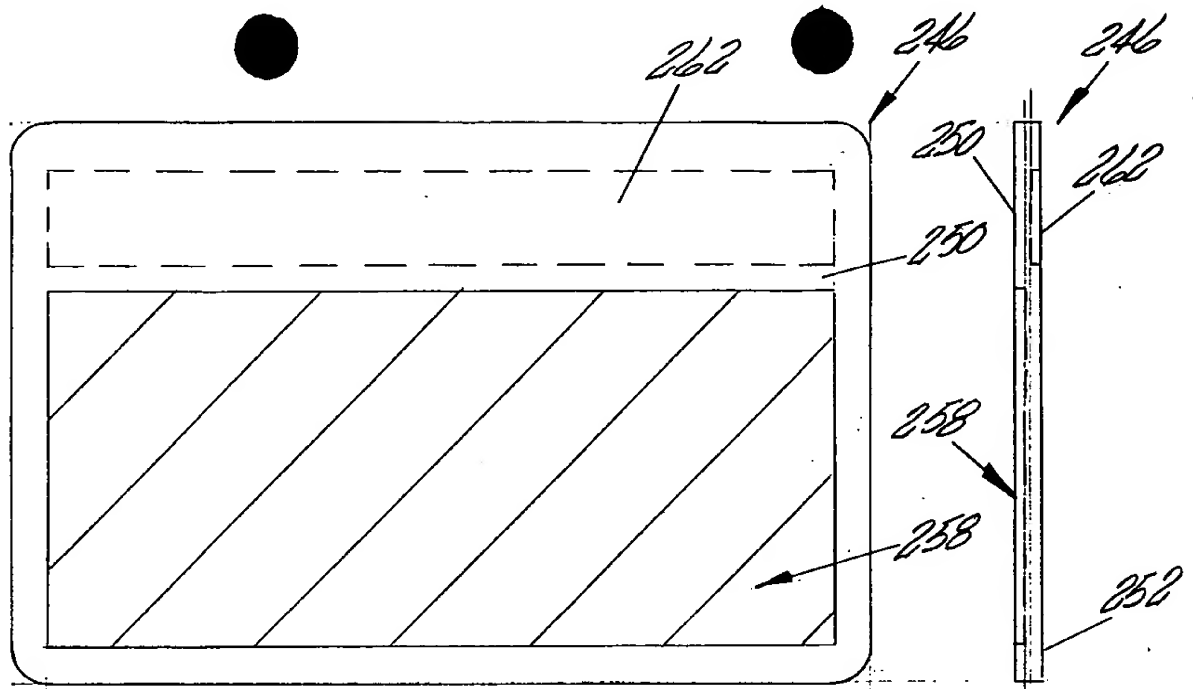


Fig. 26

Fig. 27

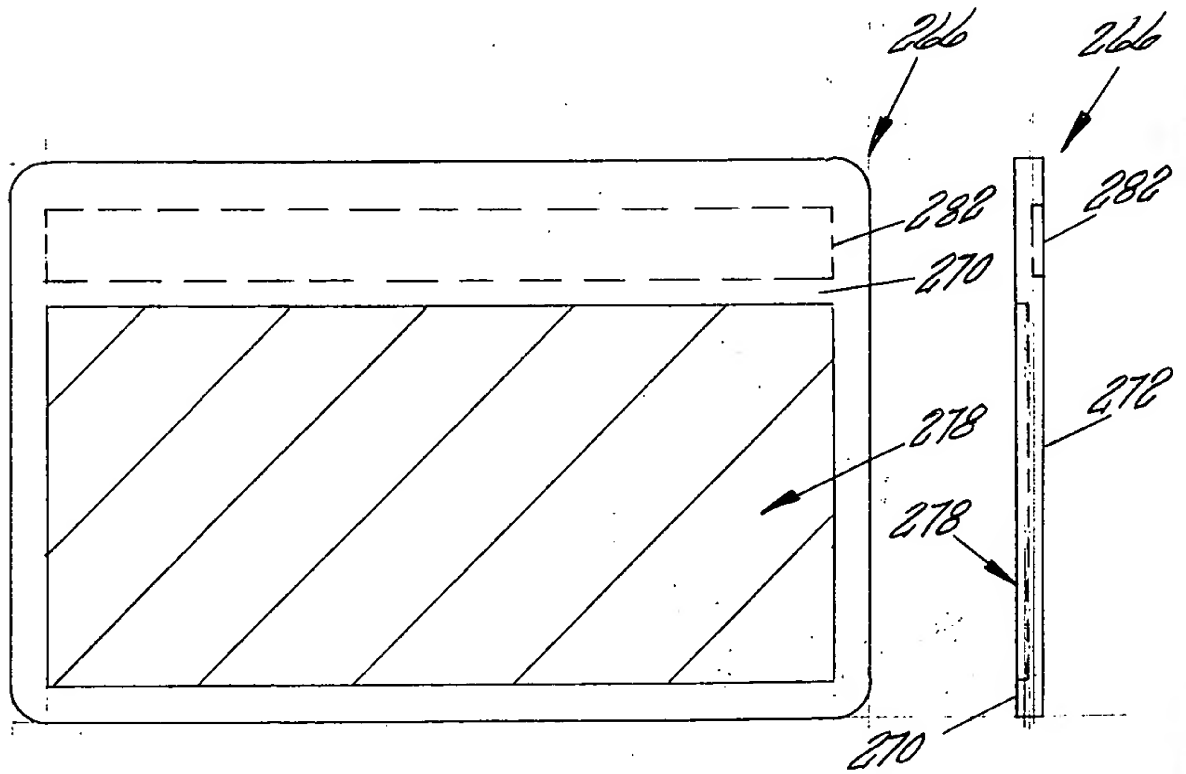
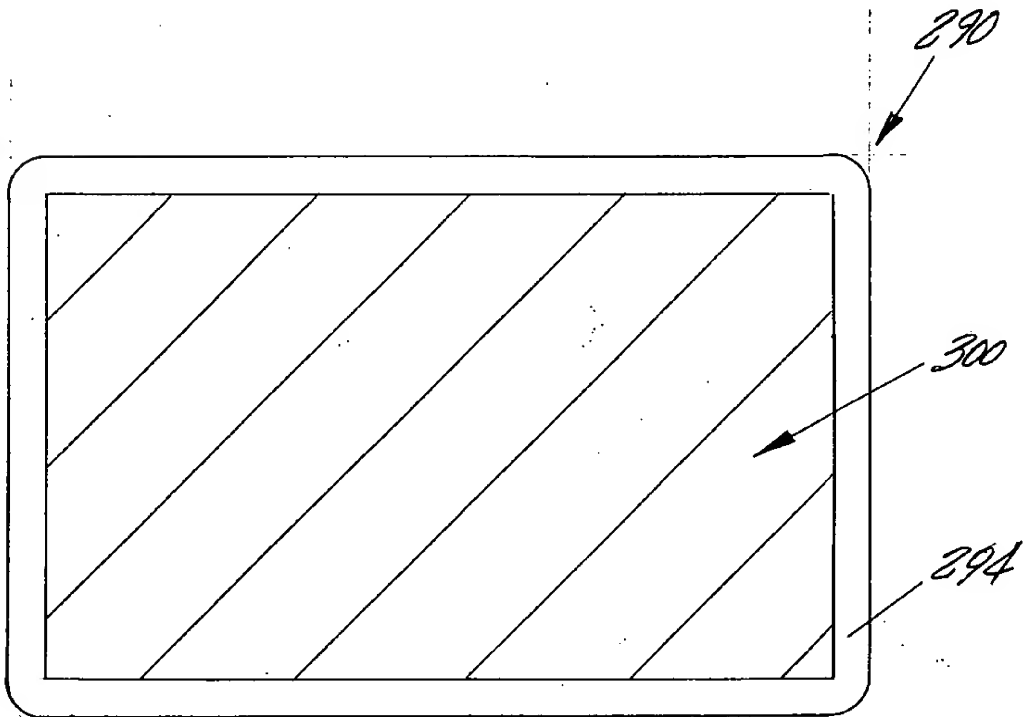
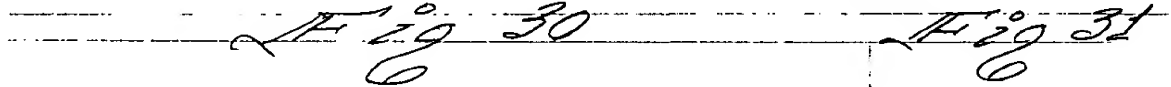
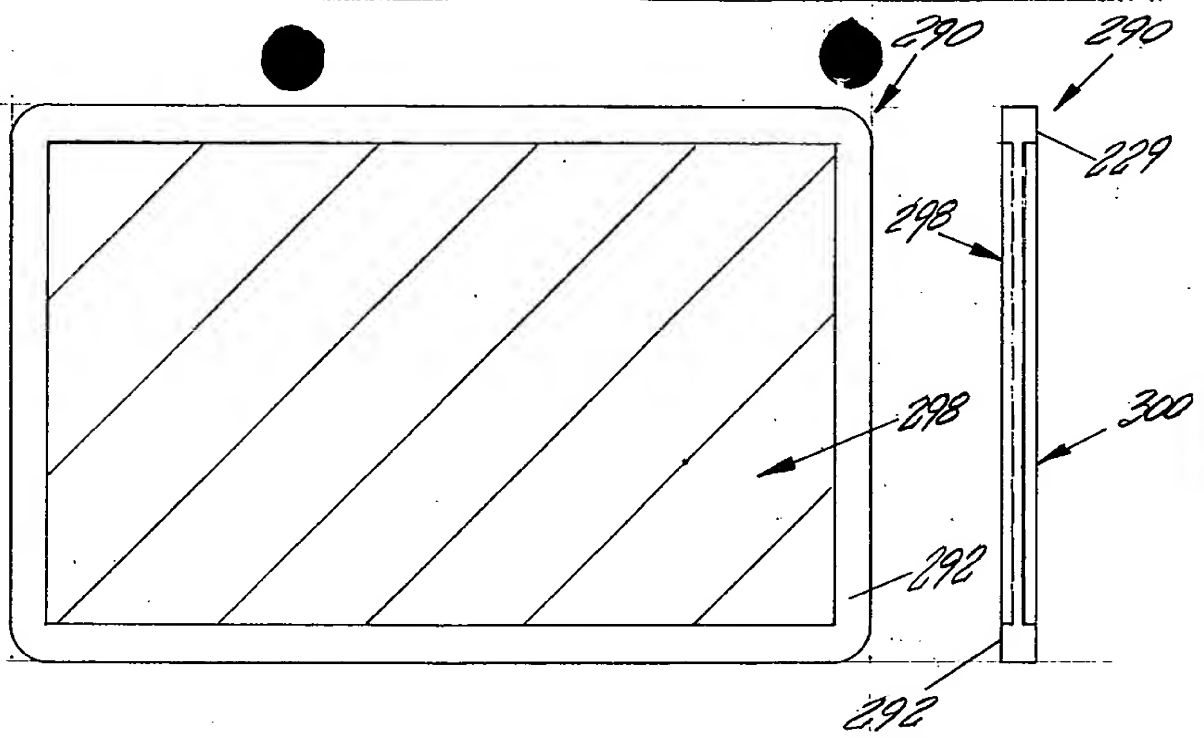


Fig. 28

Fig. 29



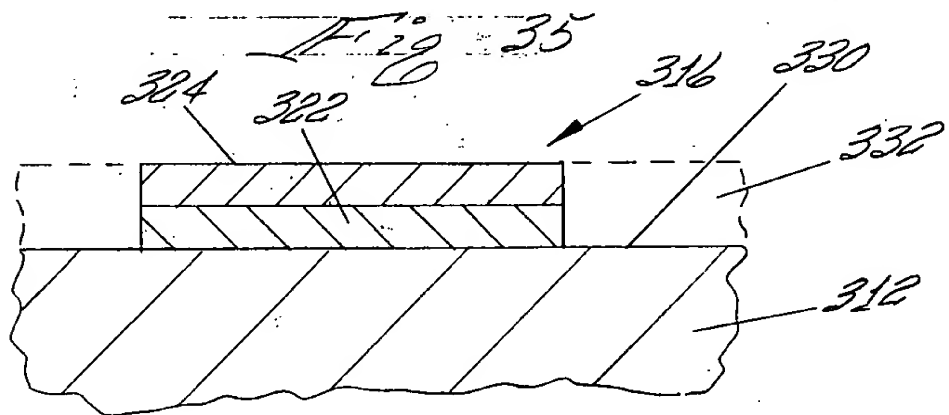
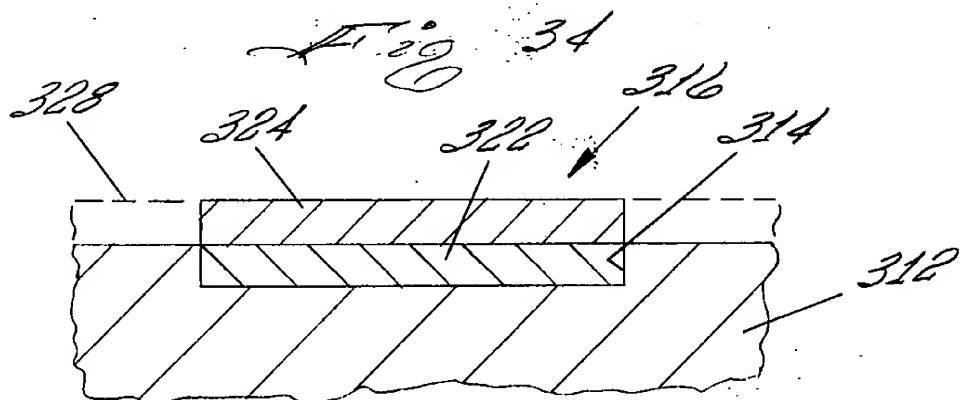
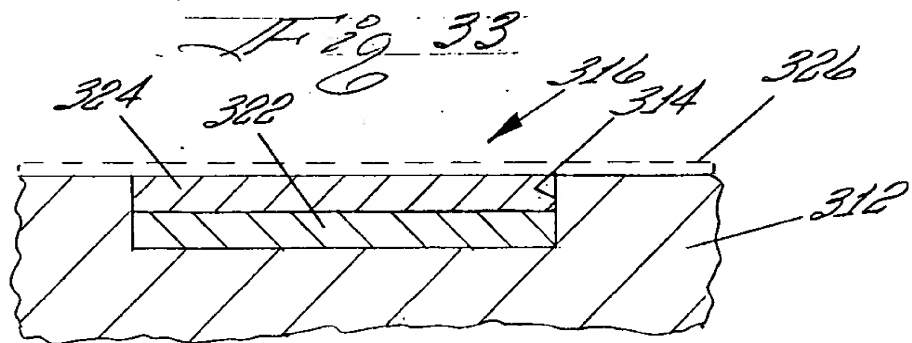
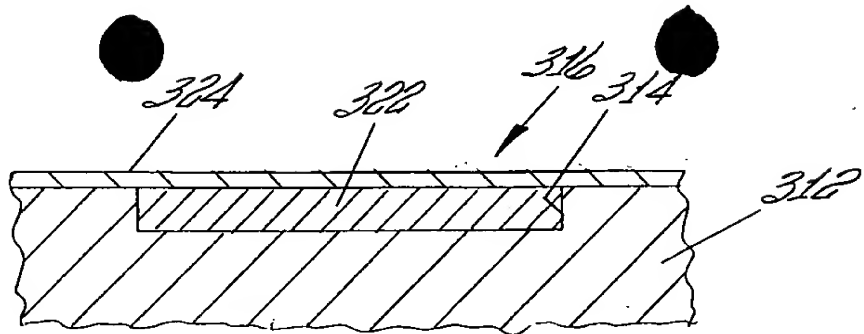


Fig. 36

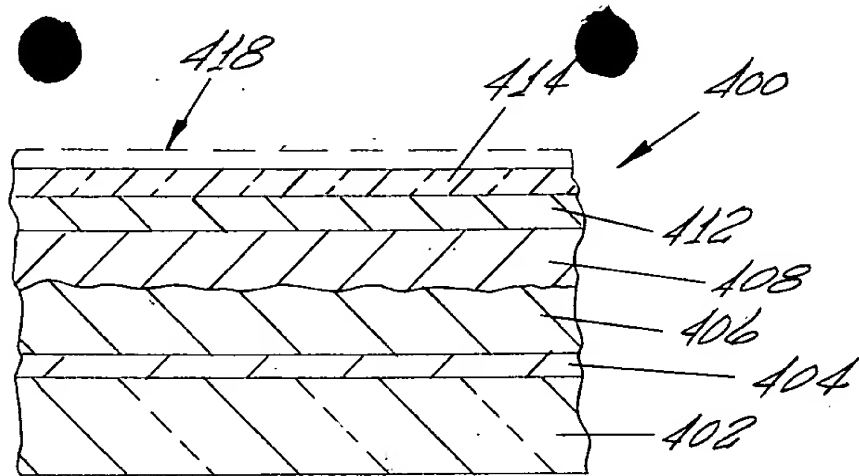


Fig 37

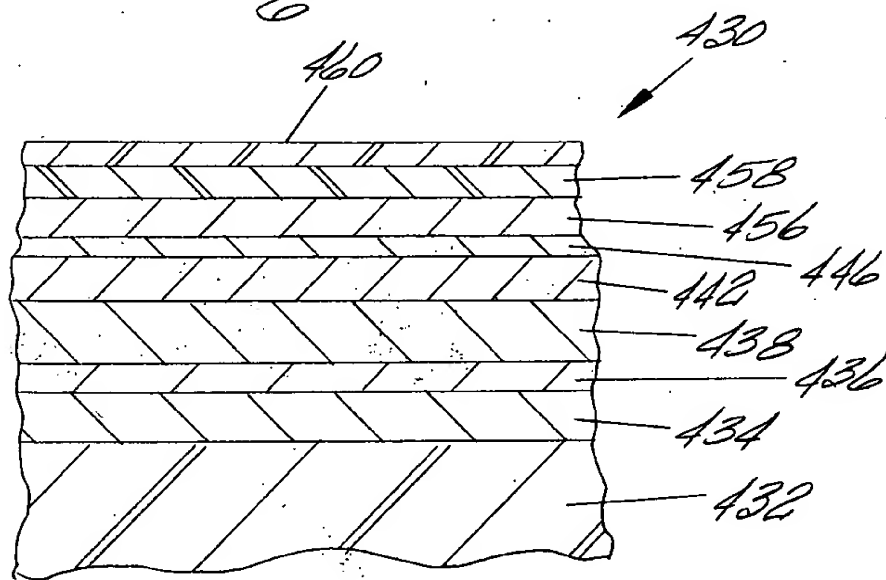


Fig 38

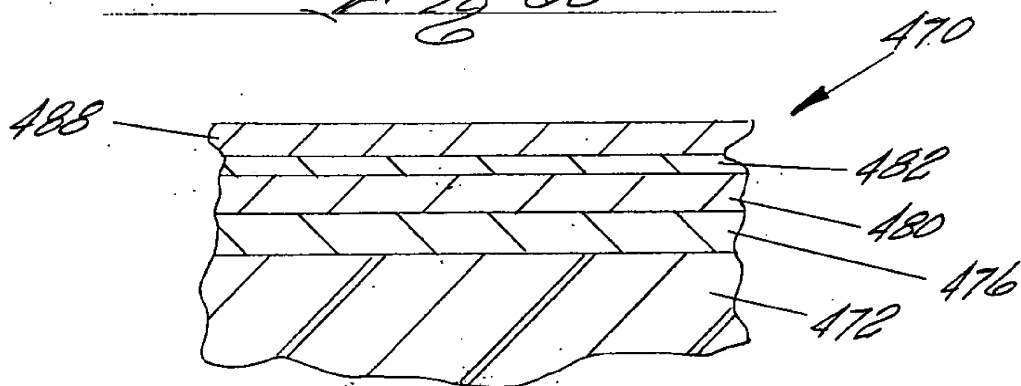


Fig 39

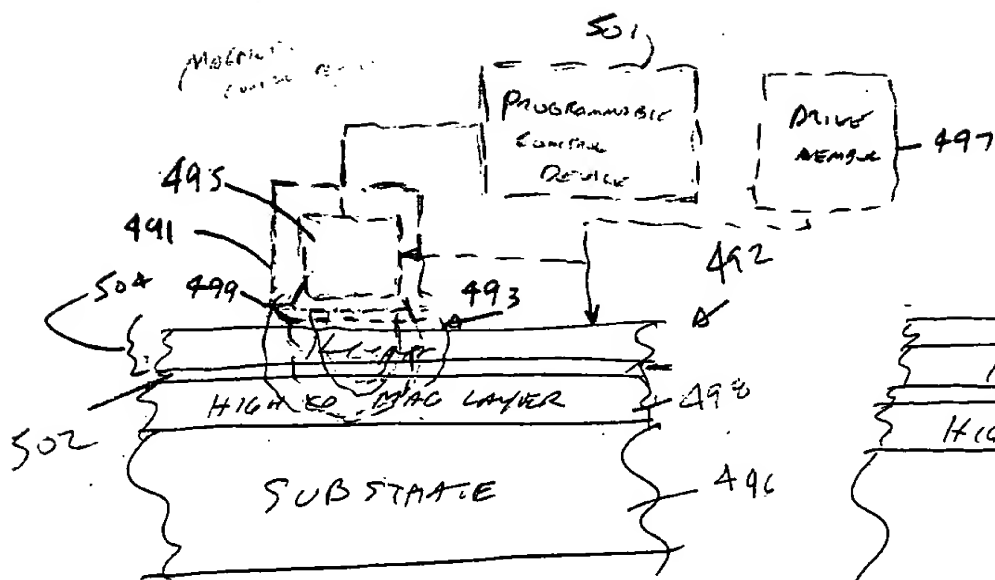


Fig 40(A)

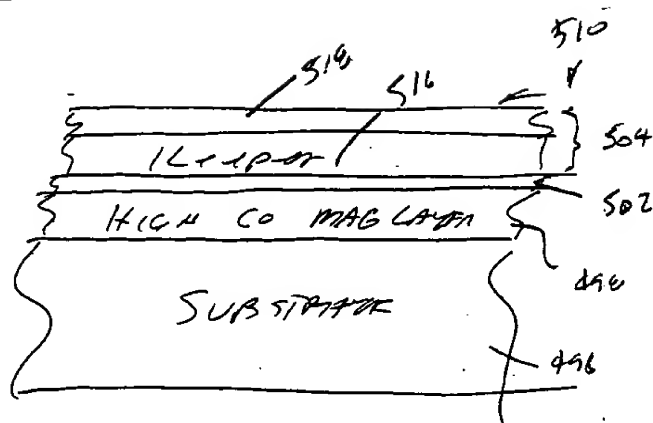


Fig 40(B)

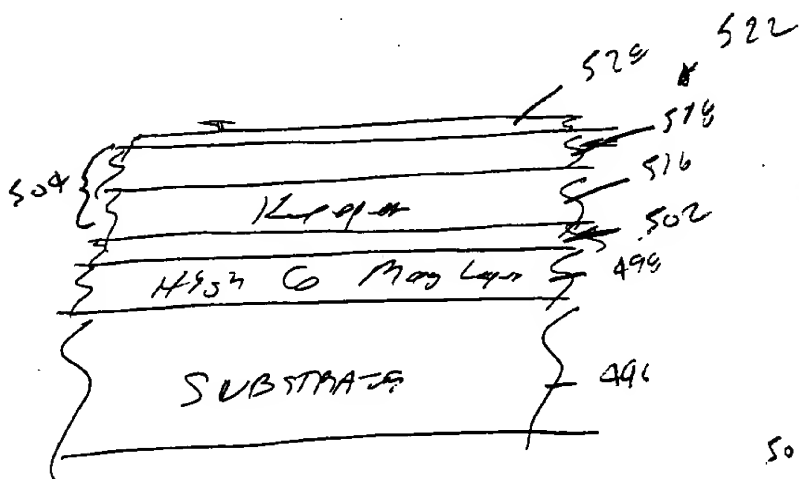


Fig 40(C)

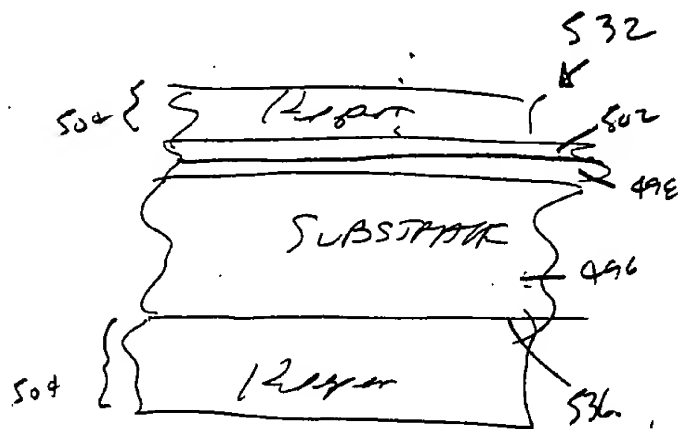
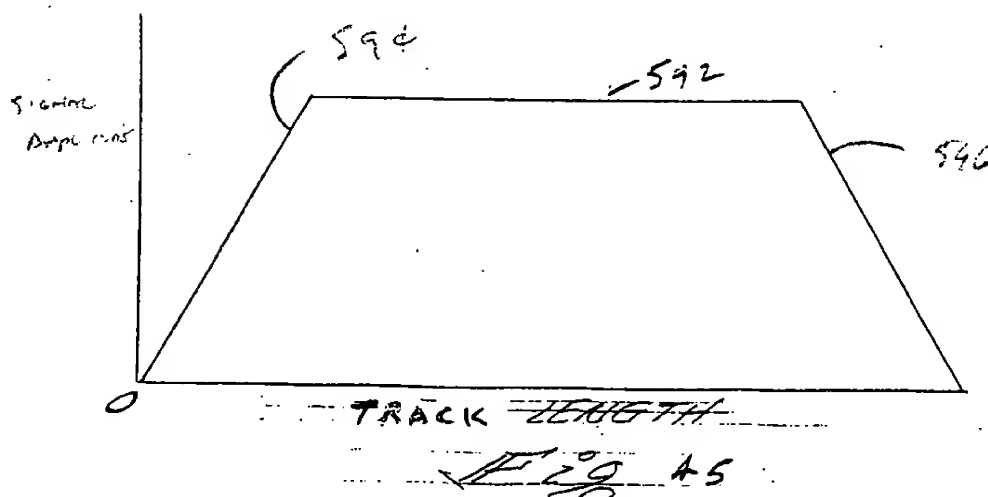
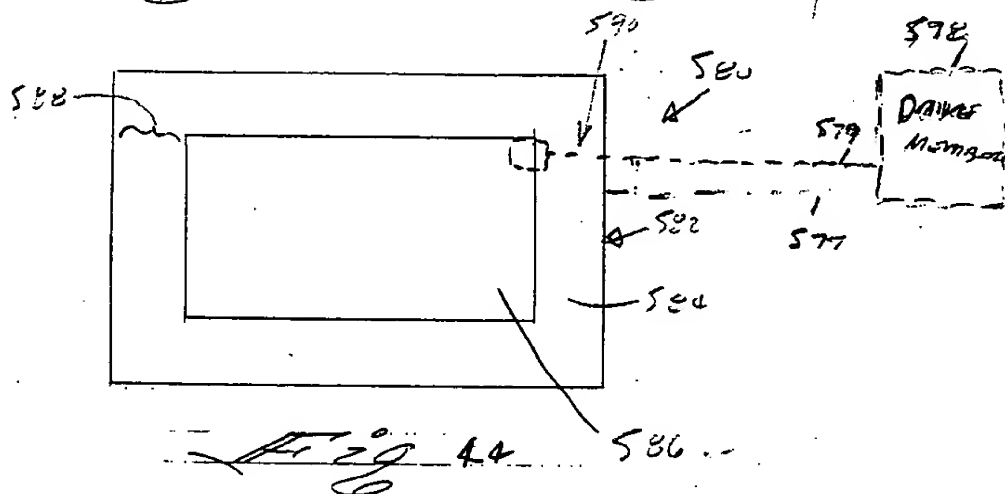
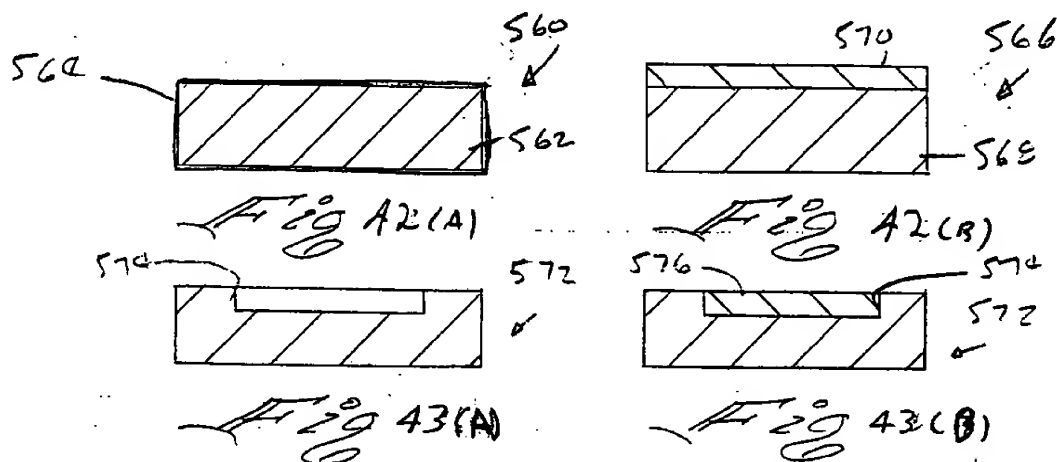
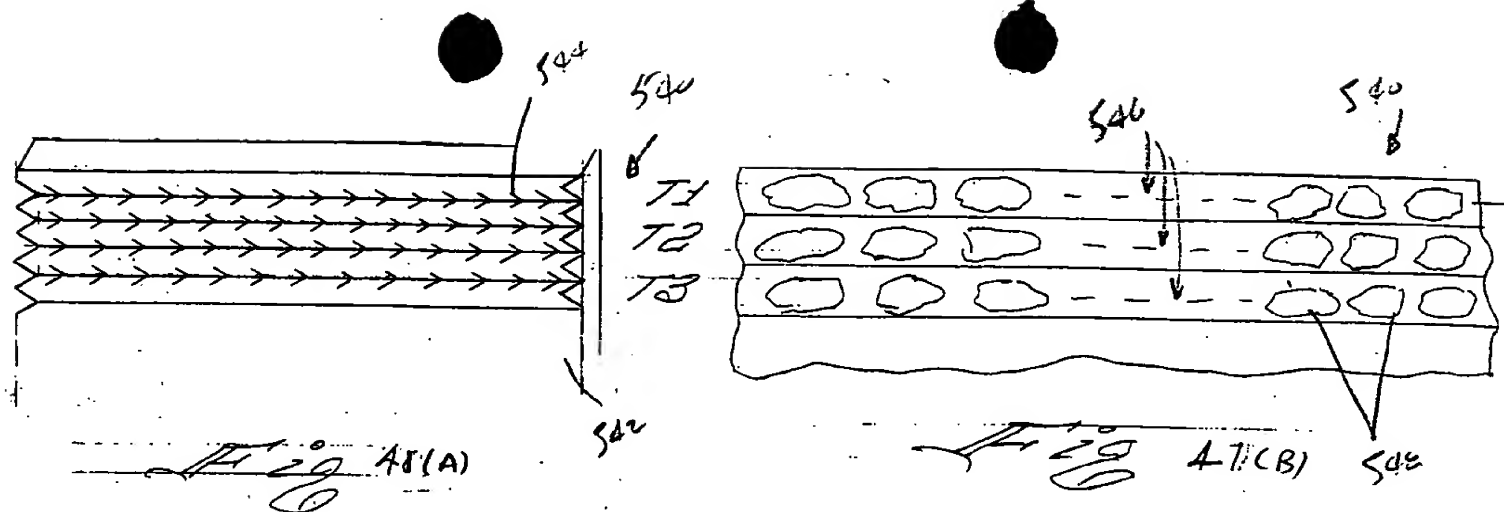


Fig 40(D)

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Simplified Card Reader Schematic

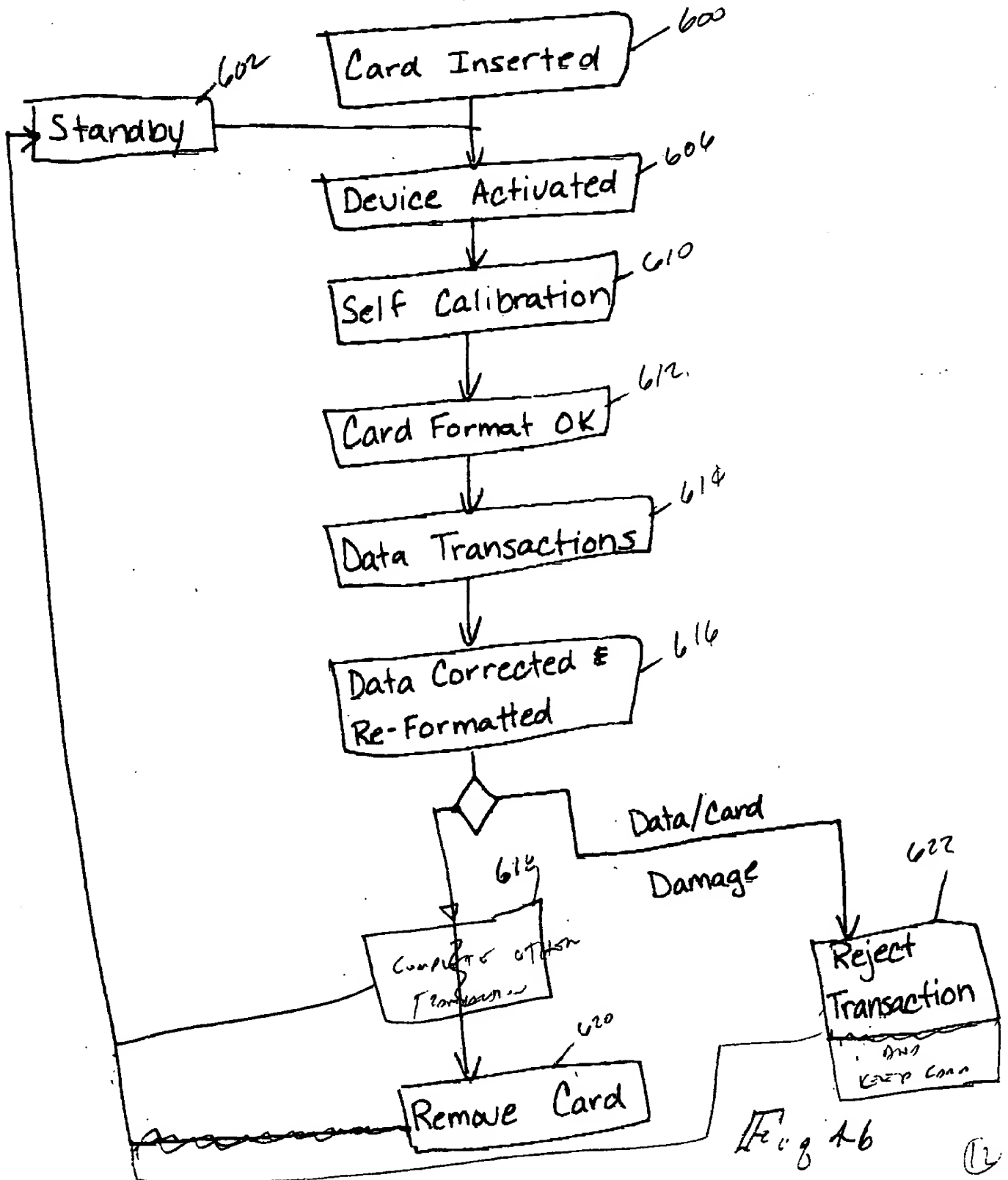
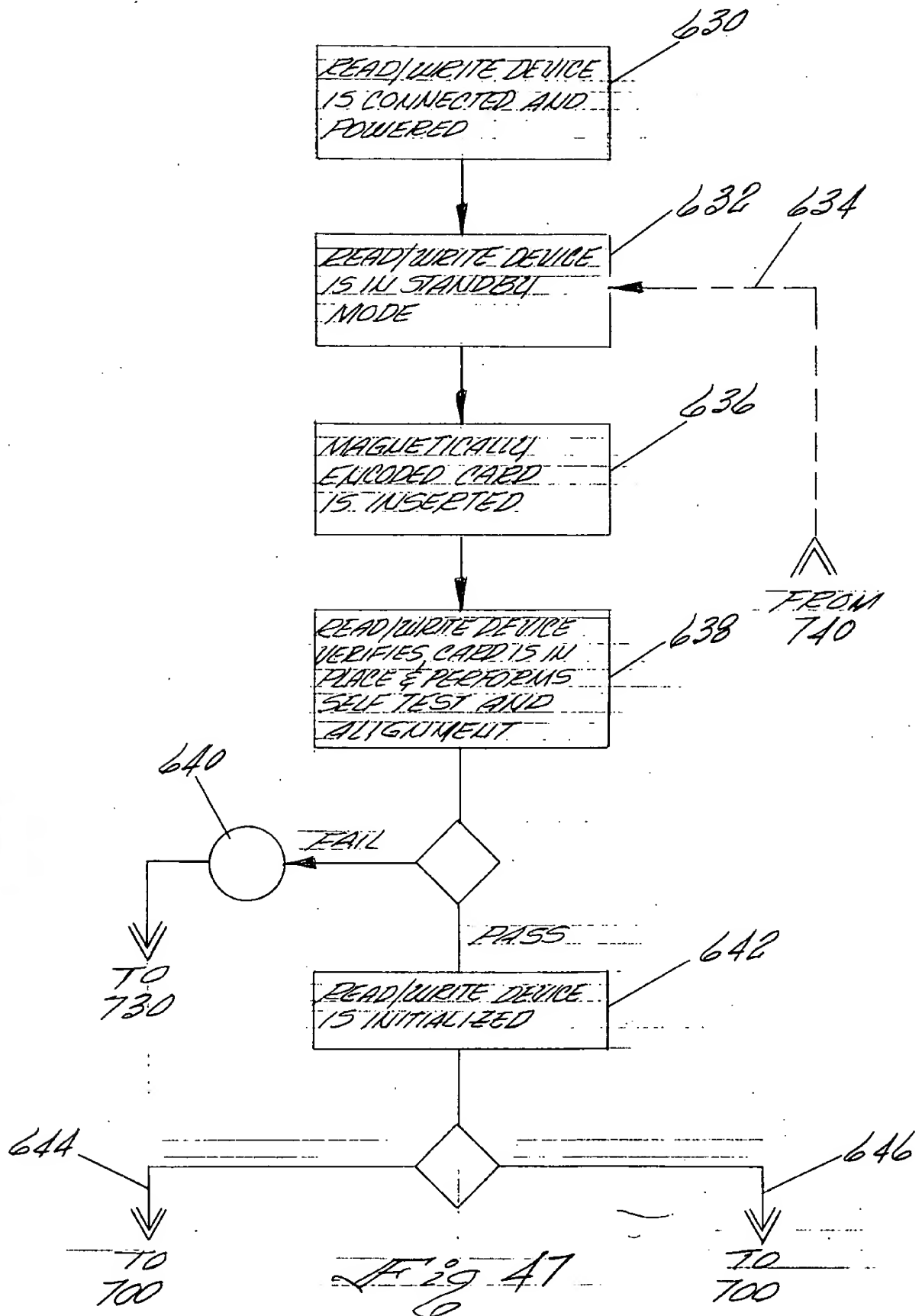


Fig 16

SECRET 66-92460



```

graph TD
    subgraph Path_700 [700]
        A700[AUTHENTICATE CARD AND/OR USER] --> B702[SELECT THE APPLICATION]
        B702 --> C704[INITIATE WRITE AND/OR READ TRANSACTIONS]
        C704 --> D706[READ/WRITE DEVICE PERFORMS DATA VERIFICATION]
        D706 --> E718{ }
        E718 -- PASS --> F722[INDICATE THAT DATA COMPARE IS VALID]
        E718 -- FAIL --> G730[FLAG ERROR]
        F722 --> H724[PERFORM APPLICATION]
    end

    subgraph Path_710 [710]
        A710[AUTHENTICATE CARD AND/OR USER] --> B712[SELECT THE APPLICATION]
        B712 --> C714[INITIATE WRITE AND/OR READ TRANSACTIONS]
        C714 --> D716[READ/WRITE DEVICE PERFORMS DATA VERIFICATION]
        D716 --> E720{ }
        E720 -- PASS --> F722[DATA TRANSFER IS VALID]
        E720 -- FAIL --> G736[FLAG ERROR]
        F722 --> H724[PERFORM APPLICATION]
    end

    G730 --> I710{ }
    G736 --> I710
    I710 -- HOLD CARD --> J740[READ/WRITE GOES INTO STANDBY MODE]
    I710 -- RETURN CARD --> H724

    H722 --> K734{ }
    H724 --> K734
    K734 -- REMOVE CARD --> J740
    K734 -- HOLD CARD --> L734[HOLD CARD]
    L734 --> J740

    J740 --> M740[TO]

```

TO

Simplified Card Cleaner Schematic

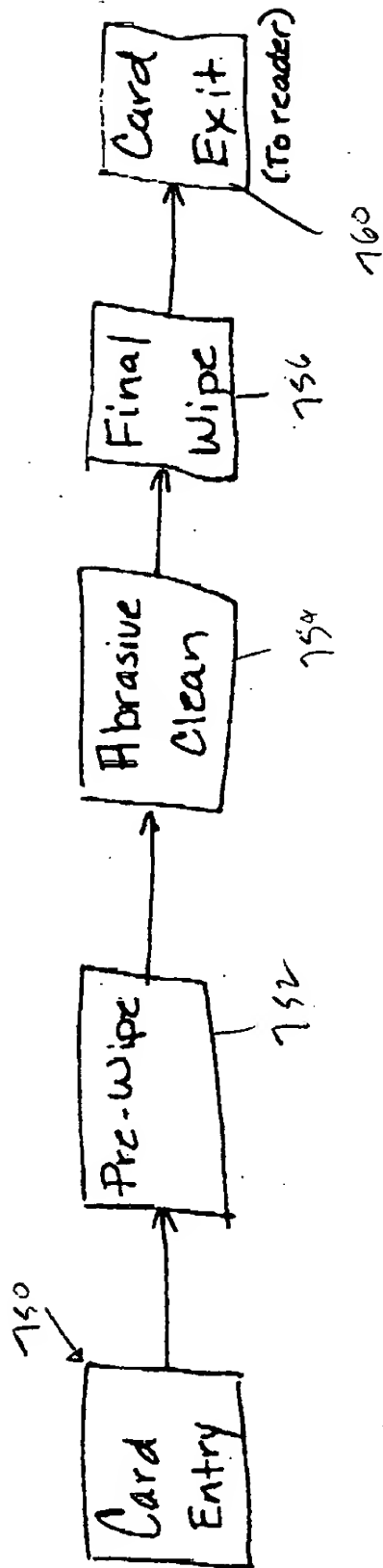


Fig 49

Fig 50

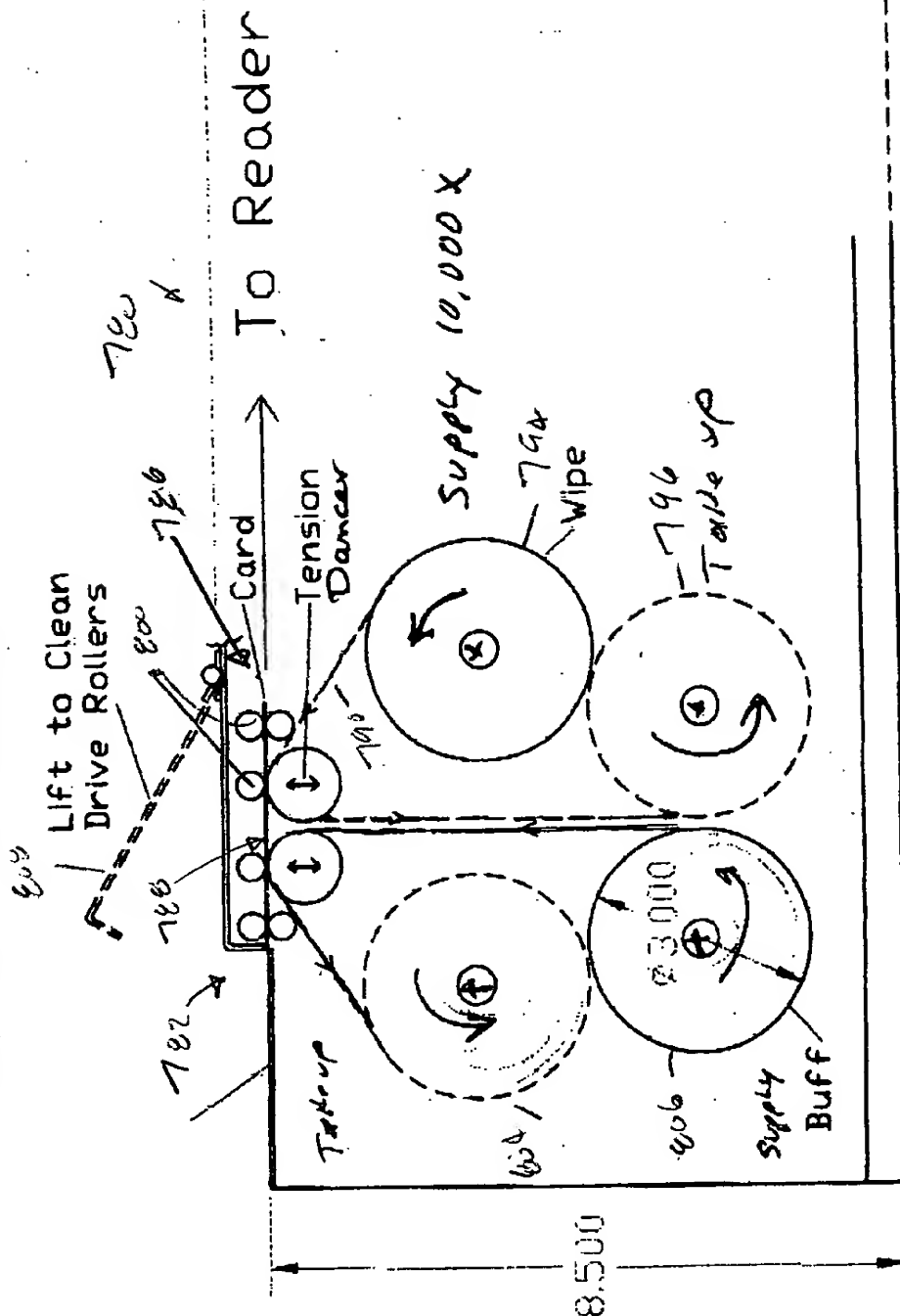


Fig 50

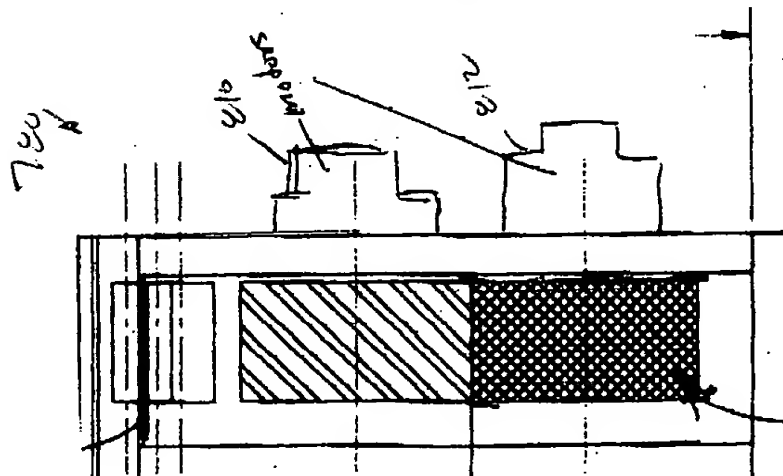


Fig 51

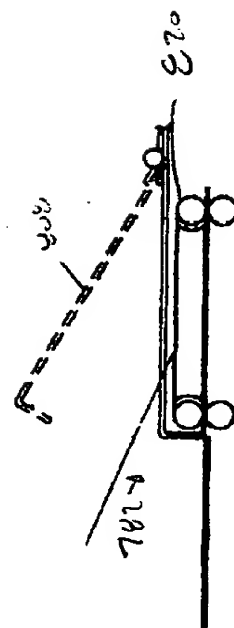


Fig 52

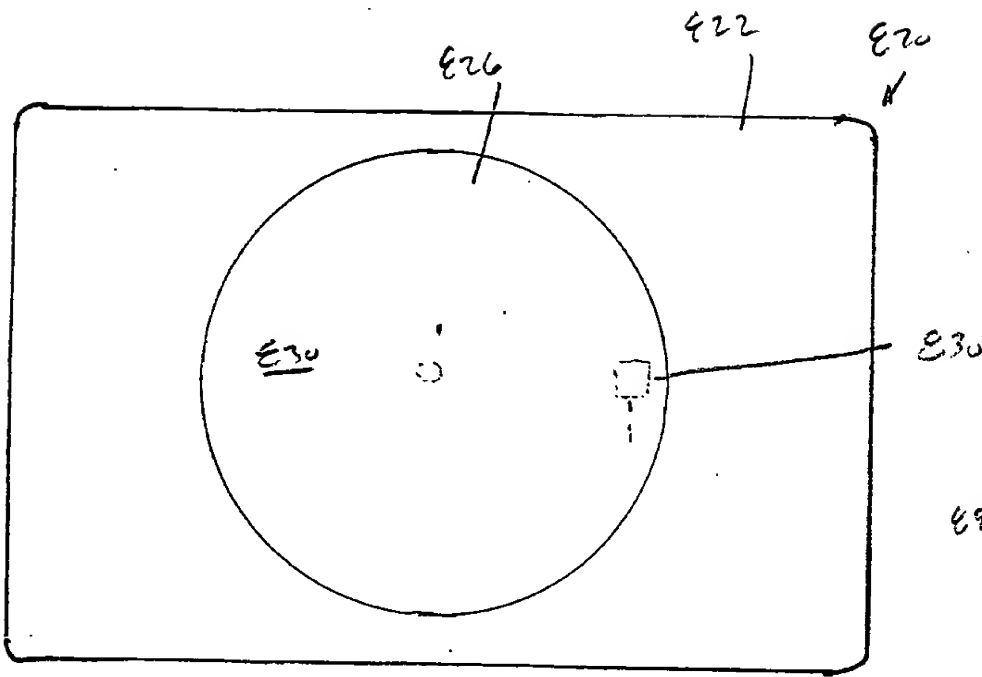


Fig 53

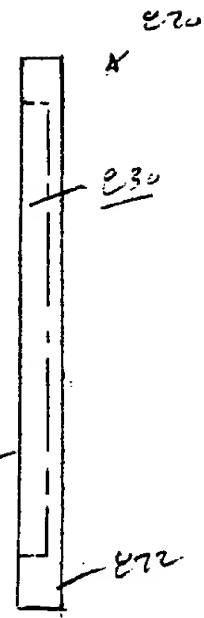


Fig 54

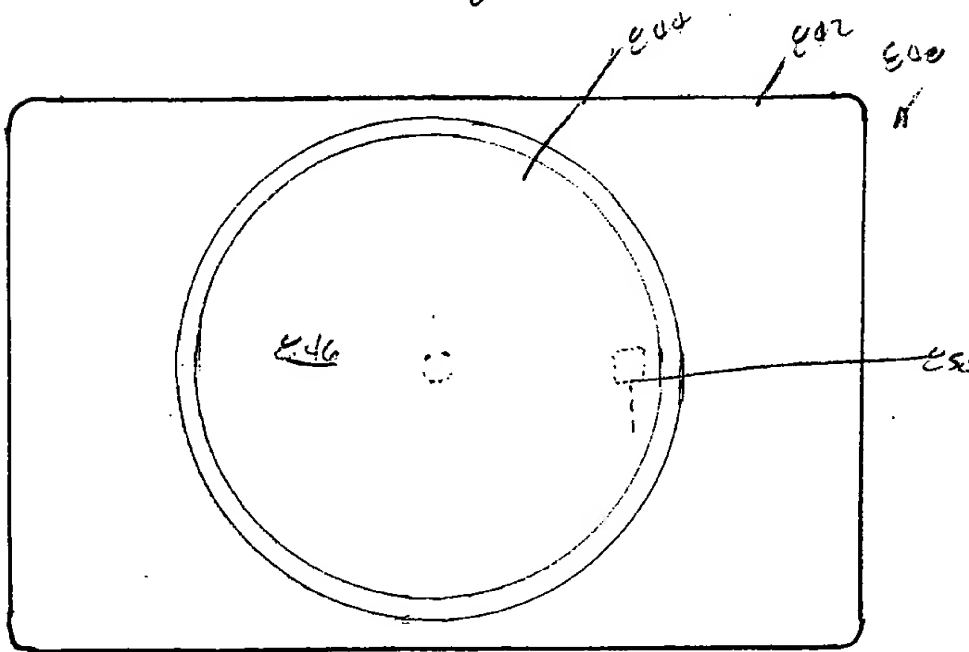


Fig 55

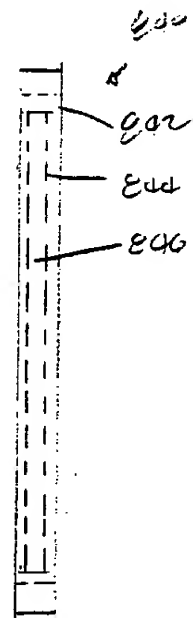


Fig 56

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